

Specifications — IPI 101, IPI 104

Audio— IPI 101, IPI 104 and MLC 226 IP

Speaker 1.4" (35.6 mm), 1-way, indoor

Frequency response

Line level output (MLC)... 20 Hz to 3.3 kHz, ±1 dB

Speaker output

IPI 300 Hz to 3.3 kHz, -10 dB

Nominal sensitivity/IPI speaker output level

80 dB SPL, 300 mW, 3' (1 m)

Processing

Audio format PCM, µ-law companded

Sampling rate..... 8 kHz

Sample size..... 16 bit, µ-law companded to 8 bit

Audio latency..... <100 ms

Audio input— IPI

Number/signal type..... 1 mono, via integrated electret microphone

Microphone gain -30 dB to 0 dB, adjustable in 2 dB steps

NOTE 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

Audio output

Number/signal type..... 2 mono: 1 via MLC 226 IP, 1 via IPI speaker

Line level (MLC)..... -10 dBV (316 mVrms), unbalanced
(via 3.5 mm captive screw connector, 2 pole)

Amplified speaker

IPI 300 mW, continuous, 1% THD

Ethernet control interface via MLC 226 IP

Ethernet control/communications port

1 RJ-45 female connector

Ethernet data rate/transport bandwidth

80 kbps

Communications type Half duplex

Protocol..... TCP/IP (control), UDP (port 3121, audio), Telnet

Program control (via MLC)..... Extron's control/configuration program for Windows®
Extron's Simple Instruction Set (SIS™)
Microsoft® Internet Explorer, Telnet

General

Power Supplied by an MLC 226 IP

Power input requirements..... +12 VDC, <100 mA

Distance between MLC 226 IP and an IPI 100' (30.5 m), maximum

Connection type (IPI-MLC)..... RJ-45 jacks with CAT 5, CAT 5e, or CAT 6 cable

Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Mounting

Rack mount Yes, with optional faceplate

Furniture mount Also furniture- and wall-mountable with optional faceplate or in an
MLC 226 IP AAP faceplate

Enclosure type Metal faceplate

Specifications — IPI 101, IPI 104, cont'd

Enclosure dimensions

Board/device..... 2.7" H x 2.6" W x 0.9" D (6.9 cm H x 6.6 cm W x 2.3 cm D)
(Depth excludes buttons and switch. Allow at least 2.1" (5.3 cm) depth in the wall or furniture.)

Product weight 0.2 lbs (0.1 kg)

Shipping weight 1 lbs (1 kg)

Vibration..... ISTA 1A in carton (International Safe Transit Association)

Regulatory compliance

Safety..... CE, CUL, UL

Compliances..... CE, C-tick, FCC Class A, ICES, VCCI

MTBF..... 30,000 hours

Warranty..... 3 years parts and labor

NOTE All nominal levels are at $\pm 10\%$.

NOTE Specifications are subject to change without notice.

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